Amendments to the Claims:

A listing of the entire set of pending claims (including amendments to the claims, if any) is submitted herewith per 37 CFR 1.121. This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) An improved addressing method for updating electrophoretic displays with lower latency for use with interactive applications, the method comprising:

a) receiving drawing information for at least one electrophoretic pixel in the electrophoretic display;

b) determining at least one drawing-mode waveform of the at least one electrophoretic pixel in the electrophoretic display based on the received drawing information for the at least one electrophoretic pixel;

c) applying the at least one drawing-mode waveform a predetermined number of times to complete an image update onto the at least one electrophoretic pixel in the electrophoretic display, **wherein the predetermined application of the at least one drawing mode waveform includes transitioning the at least one electrophoretic pixel from a current optical state and proceeding through at least one grey scale transition to arrive at a final optical state**.; and

prior to the completion of the image update for the at least one electrophoretic pixel at said step (c) **and subsequent to the start of the image update for the at least one electrophoretic pixel at said step (c)**:

d) receiving drawing information for at least one additional electrophoretic pixel in the electrophoretic display,

e) determining at least one drawing-mode waveform for the at least one additional electrophoretic pixel in the electrophoretic display based on the received drawing information for the at least one additional electrophoretic pixel in the electrophoretic display;

f) applying the at least one drawing-mode waveform a predetermined number of times to complete an image update onto the at least one additional electrophoretic pixel in the electrophoretic display, **wherein the predetermined application of the at least one drawing mode waveform**

includes transitioning the at least one additional electrophoretic pixel from a current optical state and proceeding through at least one grey scale transition to arrive at a final optical state.

2. (Previously Presented) The method of claim 1, wherein the received drawing information includes a keyboard input.

3. (Original) The method of claim 2, wherein the keyboard input is received from one of a keyboard or a keypad.

4. (Previously Presented) The method of claim 1, wherein the received drawing information includes a drawing input.

5. (Original) The method of claim 4, wherein the drawing input is received from a touch screen.

6. (Previously Presented) The method of claim 1, wherein the received drawing information includes a pointer input.

7. (Original) The method of claim 6, wherein the pointer input is received from one of a mouse or a cursor generator.

8. (Previously Presented) The method of claim 1, wherein determining the at least one drawing-mode waveform includes:

selecting the drawing-mode waveform from a set of stored driving waveforms based on the drawing information and a current optical state of at least one electrophoretic pixel in the portion of the electrophoretic display.

9. (Previously Presented) The method of claim 1, wherein the drawing-mode waveform is selected from a lookup table.

10. (Previously Presented) The method of claim 1, wherein addressing the portion of the electrophoretic display includes:

applying the determined drawing-mode waveform a predetermined number of times to write an image onto at least one electrophoretic pixel in the electrophoretic display.

11. (Previously Presented) The method of claim 1, wherein addressing the portion of the electrophoretic display includes:

writing pixel data onto at least one electrophoretic pixel in the portion of the electrophoretic display.

12. (Previously Presented) The method of claim 1, further comprising:

storing pixel information based on the received drawing information; and

addressing the portion of the electrophoretic display based on the stored pixel information.

13. (Original) The method of claim 12, wherein the stored pixel information includes at least one of the group consisting of a pixel index, a pixel color level, a pixel coordinate, and a pixel counter.

14. (Previously Presented) The method of claim 12, further comprising:

updating the stored pixel information when the portion of the electrophoretic display is addressed.

15. (Original) The method of claim 1, further comprising:

addressing a first set of pixels in the electrophoretic display based on the received drawing information and the drawing-mode waveform; and

addressing a second set of pixels in the electrophoretic display based on the received drawing information and a second drawing-mode waveform;

wherein the second drawing-mode waveform is applied to the second set of pixels prior to completion of an image update for the first set of pixels.

16. (Currently Amended) A system for activating a portion of an electrophoretic display, the system comprising:

an electrophoretic pixel array disposed on a backplane;

means for receiving drawing information for at least one electrophoretic pixel in the electrophoretic display;

means for determining at least one drawing-mode waveform for the at least one electrophoretic pixel in the electrophoretic display based on the received drawing information for the at least one electrophoretic pixel

means for applying the at least one drawing-mode waveform a predetermined number of times to complete an image update onto the at least one electrophoretic pixel in the electrophoretic display; [[and]]

wherein the predetermined application of the at least one drawing mode waveform includes transitioning the at least one electrophoretic pixel from a current optical state and proceeding through at least one grey scale transition to arrive at a final optical state.; and

prior to the completion of the image update for the at least one electrophoretic pixel ~~at said step (c)~~ **and subsequent to the start of the image update for the at least one electrophoretic pixel**:

means for receiving drawing information for at least one additional electrophoretic pixel in the electrophoretic display,

means for determining at least one drawing-mode waveform for the at least one additional electrophoretic pixel in the electrophoretic display based on the received drawing information for the at least one additional electrophoretic pixel in the electrophoretic display;

means for applying the at least one drawing-mode waveform a predetermined number of times to complete an image update onto the at least one additional electrophoretic pixel in the electrophoretic display**, wherein the predetermined application of the at least one drawing mode waveform includes transitioning the at least one additional electrophoretic pixel from a current optical state and proceeding through at least one grey scale transition to arrive at a final optical state.**

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17. (Previously Presented) The system of claim 16, further comprising:

means for storing pixel information based on the received drawing information; and

means for addressing the portion of the electrophoretic display based on the stored pixel information.

18. (Previously Presented) The system of claim 17, further comprising:

means for updating the stored pixel information when the portion of the electrophoretic display is addressed.

19. (Currently Amended) An electrophoretic display, comprising:

an electrophoretic pixel array disposed on a backplane;

a row driver electrically connected to a set of rows of the electrophoretic pixel array;

a column driver electrically connected to a set of columns of the electrophoretic pixel array; and

a controller [[(30)]] electrically connected to the row driver [[(40)]] and the column driver [[(50)]];

wherein the controller determines at least one drawing-mode waveform based on drawing information; and

wherein the controller addresses a portion of the electrophoretic display based on the drawing information [[(14)]] and the drawing-mode waveform [[(68)]] to write an image onto at least one electrophoretic pixel in the electrophoretic display.

20. (Previously Presented) The electrophoretic display of claim 19, wherein the controller receives drawing information for the portion of the electrophoretic display.